

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A process for hydrogenating an olefin, which comprises passing upwardly a liquid containing an olefin and a gas containing hydrogen through a packed bed of a solid hydrogenation catalyst, wherein the superficial velocity of the gas is 3.0 to ~~7.4~~ cm/sec, the size of the catalyst is 0.5 to 10 mm, the reaction temperature is 20 to 500 °C, the reaction pressure is 0.1 to 20 MPa, and the amount of hydrogen is 1.0 to 30 times by mole per the olefin to be supplied, wherein the olefin is a styrene.

2. (canceled).

3. (previously presented): The process according to claim 1, wherein the superficial velocity of the gas is 3.5 to 10 cm/sec.

4. (previously presented): The process according to claim 1, wherein the styrene is α -methyl styrene.

5. (previously presented): The process according to claim 1, wherein the styrene is styrene or α -methyl styrene.